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AUTHOR Schmidt, William H.
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ABSTRACT

This report presents the results of a survey that attempted to assess the nature and extent of minority group participation in the graduate programs at Michigan State University for the 1969-70 academic year. Minority group status was defined as membership in 1 of 3 groups: Black American, Mexican American, and Indian American. The number of minority group graduate students in each department is enumerated, and information is presented on: (1) the nature of financial aid offered them; (2) the area of the country from which these students received their most recent degree; (3) how these students came to MSU; and (4) the number of these students who are expected to receive their advanced degree during the 1969-70 academic year. In addition, the report presents data on each graduate department's efforts in recruiting minority group students, the provision of tutorial help when needed, and the number of minority group faculty members in each department. (AF)

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SURVEY OF MINORITY GROUP PARTICIPATION IN
THE GRADUATE PROGRAMS AT MICHIGAN STATE UNIVERSITY

William H. Schmidt
Assistant Professor
Psychology
Center for Urban Affairs

June 1, 1970

Introduction

The purpose of this research report is to present the results of a survey conducted by the Center for Urban Affairs.¹ This survey was aimed at assessing the nature and the extent of minority group participation in the graduate programs at Michigan State University for the 1969-70 academic year. For the purposes of this survey, minority group status was operationally defined as membership in one of three groups: 1) Black American, 2) Mexican American, or 3) Indian American. The primary concern of this survey was to enumerate the minority group graduate students at Michigan State University as well as to ascertain such additional information about these students as 1) the nature of financial assistance offered them, 2) the area of the country from which these students received their most recent degree, 3) how these students came to Michigan State University, and 4) the number of these students who are expected to receive their advanced degree during the 1969-70 academic year.

Also included in the survey were questions which sought to characterize each graduate department's efforts in the recruitment of minority group students and in the provision of tutorial help when needed. The enumeration of faculty members belonging to these minority groups was also an objective of the study.

Based on the aforementioned goals, a questionnaire was developed and sent to all Michigan State graduate department chairmen who were given the responsibility of compiling the requested information for their department. Therefore,

¹ Special recognition and acknowledgement are given to Miss Jana Vedejs, Mr. Srichak Vatcharakiet, and Miss Donna Trotter for their help in the preparation and analysis of the data.

the accuracy of these data in characterizing a given department and college rests with the chairman of each department in that college and this report is only as credible as the data received from each department. However, we do believe that the results reported herein present an accurate picture of minority group participation at Michigan State University. The limitations and potentiality for error which may result from this manner of collecting data are acknowledged and should be considered in the interpretation of the results.

The response of the departments was very encouraging. Of all the graduate departments at Michigan State University, only two -- the Department of Journalism and the Department of Elementary and Special Education -- did not provide the requested information.

Results

Number of Minority Group Graduate Students

Determining the number of graduate students for each of the three minority groups was done on both the departmental and the college level. These data are self explanatory and are presented in tables 1a, b, c, and 2a, and b. The results include the total number of graduate students, as well as a breakdown of the total number into the number of master's candidates and doctoral candidates.

Black American graduate students constitute approximately 3.33% of all graduate students at Michigan State University. The total number of graduate students -- 7019 -- upon which this percentage is based, is not, however, an exact figure. In addition to possible reporting errors, this total does not

include the students in the two departments that did not respond, nor does it include those students whose departments responded but were unable to provide a figure for their total number of graduate students. The percentages, then, can only be considered estimates of these values, and they are more likely over-estimates rather than under-estimates given the nature of the aforementioned problems. The best estimates available indicate that there are 234 Black Americans, 1 Indian American, and 44 Mexican American graduate students at Michigan State University.

[See tables 1a, 1b, and 2, pages 8 - 15]

Table 3 is a graphic comparison of the relative number of master's and doctoral candidates in each of the three minority groups as well as in the total graduate enrollment group.

[See Table 3, page 16]

The percentage of all the minority group graduate students expected to receive an advanced degree during this academic year is given in table 4.

[See Table 4, page 17]

Background Information on the Minority Group Students

In looking at minority group students, one variable of interest is the location of the institution from which these students received their most recent degree. Table 5 summarizes this information. Forty-four percent of the Black American students received their most recent degree from a midwestern college while 32.9% received degrees from southern colleges. The largest percentage (22.7%) of the Mexican American students received their most recent degree from a Big Ten University. The interesting point to note, however, is that the

majority of the minority students at Michigan State University did not come here from this or another Big Ten University.

[See Table 5, page 18]

Table 6 indicates the different ways in which minority group students entered Michigan State graduate programs. The majority of these students applied for themselves, although a growing number of Black American and Mexican American students were recruited by Michigan State primarily because of their minority group status. The problem encountered in interpreting these results, however, is that pertinent information is lacking for a substantial number of the students.

[See Table 6, page 19]

Support Received by Minority Group Students

Approximately 55.5% of the Black American graduate students and 43.2% of the Mexican American graduate students are receiving financial aid in one form or another. The exact nature of this financial aid is given in table 7. However, the figures indicated in this table are conservative estimates, in that this information was not available for a large number of the students.

[See Table 7, page 20]

One important aspect of graduate education is the extent to which a student may work with faculty members in his own specific area of interest. Table 8 indicates the percentage of graduate students working with faculty members in their degree programs. These results indicate that the percentages are fairly consistent across the different groups, the only possible exception being that 55.7% of the Black American master degree candidates are working with the faculty as compared to 71.8% of the total master degree candidates.

[See Table 8, page 21]

Departments and Graduate Faculty

Of the departments responding, 61.8% indicated that a special recruitment effort for Black American students exists; 16.3% of these departments indicated a special recruitment effort for Mexican American students; and 4.3% indicated this for Indian American students. These results are summarized in Table 9. Again, the fact that a large number of departments did not provide the required information must be kept in mind when interpreting the results. Information as to the nature of these recruitment efforts is presented in Table 10. Here, too, the problem of incomplete data must be taken into consideration.

[See Tables 9 and 10, pages 23 and 24]

The departments were also asked if special areas of study or courses existed within their department where minority group students could concentrate on problems of interest particular to their ethnic background. Of the 7 departments responding to this question, 18 indicated that this was the case while 14 said that the question was not applicable to their area, e.g., physics, chemistry and statistics. Of 48 departments responding to the question on special tutorial assistance, 21 indicated that such programs were in operation in their department for the minority group students needing them. Again a large number of departments did not respond to this item.

Tables 11 and 12 indicate the total number of faculty members in each graduate department and college as well as the number of those faculty members whose ethnic background is Black American, Mexican American, or Indian American. Table 11 summarizes these results for the departments, while Table 12 does so for the colleges. (It should be pointed out, however, that certain departments

are listed jointly with several colleges. These are included in this data only once, in that college where they are officially listed by the University.) Because all departments did not return the information requested, the total and percentages are necessarily incomplete. Based on the available information, it is estimated that there are 17 Black American and 3 Mexican American graduate faculty members at Michigan State University.

[See tables 11 and 12, pages 24 - 29]

Summary

A survey of all graduate departments at Michigan State University was conducted in an attempt to assess both the extent and the nature of minority group participation in programs on the graduate level. The results summarized in the preceeding pages were based on data returned by all but two of the individual departments. Certain problems to be taken into consideration when evaluating these results were also cited. Nevertheless, it is felt that these results reasonably well approximate the present status of minority group participation in the graduate school programs at Michigan State University.

For the status of minority group participation for the 1967-68 academic year as well as for the 1968 Fall term, a similar survey was conducted by the Office of Equal Opportunity Programs and the Center for Urban Affairs. It was found that Black Americans constituted approximately 1.33% of the total 4809 full-time graduate students of the 1967-68 academic year and 2.46% of the total 4011 full-time graduate students of the 1968 Fall term. It was also found that Black American part time enrollment constituted 3.05% of the total

part time enrollment for the 1967-68 academic year and 1.7% for that of the 1968 Fall term. These figures can be compared to the present year in which Black American graduate students constitute approximately 3.33% of all graduate students (both part time and full time).

The percent of Black Americans receiving Ph.D.'s from Michigan State University since 1963 was found to be 1.5% of the total doctoral degree recipients, and the area of study having the greatest concentration of Black Americans was Education.

The report from which these results were obtained is available at the Center for Urban Affairs at Michigan State University.

Table 1. a

Minority group graduate students as compared to total
graduate students by departments

Department	No. of Grad- Students in Dept.	No. of Masters Candi- dates in Dept.	Masters Candi- dates as % of Total Dept. En- rollment	No. of Doctoral Candi- dates in Dept.	Doctoral Candidates as % of Total Dept. En- rollment	No. of BA in Dept.	BA as % of Total Enroll- ment	No. of BA Master Candidates in Dept.	BA Master Candidates as % of Total Masters Candidates in Dept.	No. of BA Doctoral Candidates in Dept.	BA Doctor- al Candidates as % of Total Ph.D. Candi- dates in Dept.
Ag. Econ.	113	48	42.48	61	53.98	0	0	0	0	0	0
Ag. Eng.	49	21	42.86	28	57.14	0	0	0	0	0	0
Animal Hus.	19	8	42.10	11	57.89	1	5.26	0	0	1	9.09
Biochem	74	2	2.70	72	97.30	1	1.35	0	0	1	1.39
Dairy	29	11	37.93	18	62.07	0	0	0	0	0	0
Crop, Soil Science	62	24	38.71	38	61.29	3	4.84	0	0	1	2.63
Food Sci.	72	24	33.33	46	63.89	1	1.39	2	8.33	1	2.17
Horticulture	61	27	44.26	34	55.74	0	0	0	0	0	0
Fisheries & Wildlife	60	38	63.33	22	3.67	0	0	0	0	0	0
Forestry	51	26	50.98	25	49.02	0	0	0	0	0	0
Resource Dev.	80	55	68.75	25	31.25	0	0	0	0	0	0
Park & Rec.	10	10	100	0	100	0	0	0	0	0	0
Poultry Sci.	15	2	13.33	13	13.33	0	0	0	0	0	0
Art	92	92	100	0	100	1	1.09	1	1.09	0	0
English	290	120	41.38	170	41.38	3	1.03	3	2.5	0	0
German & Russian	95	59	62.11	36	62.11	0	0	0	0	0	0
History	172	76	44.19	94	54.65	4	2.33	1	1.32	3	3.19
Ling., Oriental, African, Lang.	20	15	75.00	5	25.00	1	5.00	0	0	1	20.00
Music	101	9	17.31	43	82.69	8	7.92	1	-	6	--
Phil.	52	45	54.88	37	45.12	1	1.92	1	0	1	2.33
Romance Lang.	82	45	54.88	37	45.12	1	1.22	0	2.22	1	2.70
Acc., Fin. Admin.	207	122	58.94	85	41.06	0	0	1	0	0	0
Economics	133	31	23.31	102	76.69	1	.75	1	3.23	0	0

Table 1. a (con't)

Department	No. of Grad Students in Dept.	No. of Masters Candidates in Dept.	Masters Candidates as % of Total Dept. Enrollment.	No. of Doctoral Candidates in Dept.	Doctoral Candidates as % of Total Dept. Enrollment.	No. of BA in Dept.	BA as % of Total Enrollment.	No. of Master Candidates in Dept.	BA Master Candidates as % of Total Masters Candidates in Dept.	No. of BA Doctoral Candidates in Dept.	BA Doctoral Candidates as % of Total Ph.D. Candidates in Dept.
Management	194	154	79.38	40	20.62	2	1.03	2	1.30	0	0
Bus. Admin.	700	450	64.29	250	35.71	14	2.0	14	3.11	0	0
Advertising	43	43	100.00	0	0.00	3	6.98	3	6.98	0	0
Audiology, Speech Sci.	63	47	74.60	16	25.40	1	1.59	1	2.13	0	0
Communication	60	18	30.00	42	70.00	1	1.67	1	5.56	0	0
Journalism	35	15	42.86	20	57.14	0	0	0	0	0	0
Theatre	37	37	100	0	0	3	8.11	3	8.11	0	0
TV, Radio											
Ad. Higher Education	304	118	38.82	186	61.18	29	9.54	10	8.47	19	10.22
Coun. Per.											
Ser., Ed. Psych.	677	514	75.92	163	24.08	56	8.27	51	9.92	5	3.07
Elem. Spec. Education											
Health, Phy.											
Ed. Recre.	98	88	89.80	10	10.20	9	9.18	9	10.23	0	0
Sec. Ed. Curr.	836	542	64.83	294	35.17	29	3.47	16	2.95	13	4.42
Chem. Eng.	24	13	54.17	11	45.83	0	0	0	0	0	0
Civil, San. Eng.	60	45	75.00	15	25.00	1	1.67	1	2.22	0	0
Com. Science	11	4	36.36	3	27.27	0	0	0	0	0	0
Elec. Eng.	121	62	51.24	59	48.76	1	.83	0	0	1	1.69
Mech. Eng.	35	13	37.14	22	62.86	1	2.86	0	0	1	4.55
Metallurgy											
Mech. Mat.	37	9	24.32	28	75.68	0	0	0	0	0	0
Foods, Nutri.	16	7	43.75	9	56.25	0	0	0	0	0	0
Family, Child Science	58	41	70.69	17	29.31	3	5.17	1	2.44	2	11.76
Instit. Ad.	14	14	100	0	0	2	14.29	2	14.29	0	0

Table 1.a (con't)

Department	No. of Grad Students in Dept.	No. of Masters Candidates in Dept.	Masters Candidates as % of Total Dept. Enrollment	No. of Doctoral Candidates in Dept.	Doctoral Candidates as % of Total Dept. Enrollment	No. of BA in Dept.	BA as % of Total Enrollment	No. of Master Candidates	BA Master Candidates as % of Total Masters Candidates in Dept.	No. of BA Doctoral Candidates in Dept.	BA Doctoral Candidates as % of Total Ph.D. Candidates in Dept.
Textiles, Clothing	44	44	100	0	0	0	0	0	0	0	0
Anatomy	11	8	72.73	3	27.72	0	0	0	0	0	0
Anthrop.	69	27	39.13	42	52.63	0	0	0	0	0	0
Biophysics	19	9	47.37	10		0	0	0	0	0	0
Microbio., Pub. Health	74	38	51.35	29	39.19	6	9.11	5	13.16	1	3.45
Pathology	39	27	69.23	9	23.08	0	0	0	0	0	0
Pharmacol.	16	10	62.50	6	37.50	0	0	0	0	0	0
Physiology						0	0	0	0	0	0
Psychology	233	119	51.07	114	48.93	12	5.15	7	5.88	5	4.39
Sociology	106	48	45.28	58	54.72	4	3.77	2	4.17	2	3.45
Zoology	103	32	31.07	71	68.93	9	8.74	3	9.38	6	8.45
Botany, Plant Path.	89	19	21.35	70	78.65	2	2.25	0	0	2	2.86
Chemistry	217	0	0	207	95.39	4	1.84	0	0	-	-
Entomology	40	21	52.50	19	47.50	0	0	0	0	0	0
Geology	47	30	63.83	17	36.17	0	0	0	0	0	0
Math.	205	86	41.95	119	58.05	9	4.39	4	4.65	4	3.36
Physics	120	31	25.83	89	74.17	1	.83	0	0	1	1.12
Stat. & Prob.	55	25	45.45	30	54.55	1	1.82	1	4.00	0	0
Geography	87	42	48.28	45	51.72	4	4.60	2	4.76	2	4.44
Poly. Sci.	83	39	46.99	44	53.01	1	1.20	0	0	1	2.27

* For certain departments, non-degree students are included with the total number of graduate students.

** Does not include non-minority group students in certain departments.

Table 1.b

Minority group graduate students as compared to total
graduate students by departments

Department	No. of Grad Students in Dept.	No. of MA in Dept.	MA as % of Total Dept. Enroll- ment.	No. of Master Candi- dates in Dept.	No. of MA Mas- ter Can- didates as % of Total Master Candi- dates in Dept.	No. of MA Doc- total Candi- dates in Dept.	MA Doc- total Candi- dates as % of Total Ph.D. Candi- dates in Dept.	No. of IA in Dept.	IA as % of Total Dept. Enroll- ment.	No. of IA Mas- ter Can- didates in Dept.	IA Master Candi- dates as % of Tot- al Mas- ter Can- didates in Dept.	No. of IA Doc- total Candi- dates in Dept.	IA Doc- total Candi- dates as % of Total Ph.D. Candi- dates in Dept.
Ag. Econ.	113	1	.88	0	0	1	1.64	0	0	0	0	0	0
Ag. Eng.	49	0	0	0	0	0	0	0	0	0	0	0	0
Animal	19	0	0	0	0	0	0	0	0	0	0	0	0
Husbandry	74	2	2.70	0	0	2	2.78	0	0	0	0	0	0
Biochem.	29	0	0	0	0	0	0	0	0	0	0	0	0
Dairy	62	0	0	0	0	0	0	0	0	0	0	0	0
Crop, Soil, Sci.	72	2	2.78	1	4.17	1	2.17	0	0	0	0	0	0
Food Science	61	0	0	0	0	0	0	0	0	0	0	0	0
Horticulture	60	1	1.67	1	2.63	0	0	0	0	0	0	0	0
Fish. & Wildlife	51	0	0	0	0	0	0	0	0	0	0	0	0
Forestry	80	0	0	0	0	0	0	0	0	0	0	0	0
Resource Dev.	10	0	0	0	0	0	0	0	0	0	0	0	0
Park & Rec.	15	0	0	0	0	0	0	0	0	0	0	0	0
Poultry Science	92	0	0	0	0	0	0	0	0	0	0	0	0
Art	290	3	1.53	0	0	3	1.76	0	0	0	0	0	0
English	95	0	0	0	0	0	0	0	0	0	0	0	0
German, Russian	172	0	0	0	0	0	0	0	0	0	0	0	0
History	20	0	0	0	0	0	0	0	0	0	0	0	0
Ling, Oriental,	101	0	0	0	0	0	0	0	0	0	0	0	0
African Lang.	52	0	0	0	0	0	0	0	0	0	0	0	0
Music	82	15	18.29	5	11.11	10	27.03	0	0	0	0	0	0
Phil.	207	0	0	0	0	0	0	0	0	0	0	0	0
Romance Lang.	133	0	0	0	0	0	0	0	0	0	0	0	0
Acc., Fin. Ad.													
Economics													

Table 1.b (con't)

Department	No. of Grad. Students in Dept.*	No. of MA in the Dept.	MA as % of Total Dept. Enrollment.	No. of Master Candidates in Dept.	MA Master Candidates as % of Total Master Candidates in the Dept.	No. of MA Doctoral Candidates in Dept.	MA Doctoral Candidates as % of Total Ph.D. Candidates in the Dept.	No. of IA in Dept.	IA as % of Total Dept. Enrollment.	No. of IA Master Candidates in Dept.	IA Master Candidates as % of Total Master Candidates in Dept.	No. of IA Doctoral Candidates as % of Total Ph.D. Candidates in the Dept.
Management	194	0	0	0	0	0	0	0	0	0	0	0
Bus. Ad.	700	0	0	0	0	0	0	0	0	0	0	0
Adver.	43	0	0	0	0	0	0	0	0	0	0	0
Audiology, Speech	63	0	0	0	0	0	0	0	0	0	0	0
Science	60	0	0	0	0	0	0	0	0	0	0	0
Commun.	35	0	0	0	0	0	0	0	0	0	0	0
Journalism	37	1	.7	1	2.7	0	0	0	0	0	0	0
Theatre	304	3	.99	1	.85	2	2.17	0	0	0	0	0
TV, Radio	677	10	1.48	8	1.56	2	1.23	0	0	0	0	0
Admin.												
Higher Ed.												
Coun, Per												
Ser., Ed.												
Psych.												
Elem. Spec.												
Ed.												
Health, Phy.												
Ed. Rec.	98	0	0	0	0	0	0	0	0	0	0	0
Sec. Ed.												
Curr.	836	1	.12	1	.18	0	0	1	.12	1	.18	0
Chem. Eng.	24	0	0	0	0	0	0	0	0	0	0	0
Civil, San.												
Eng.	60	1	1.67	0	0	1	6.67	0	0	0	0	0
Com. Sci.	11	0	0	0	0	0	0	0	0	0	0	0
Elec. Eng.	121	0	0	0	0	0	0	0	0	0	0	0
Mech. Eng.	35	0	0	0	0	0	0	0	0	0	0	0
Metallurgy												
Mech. Mat.	37	0	0	0	0	0	0	0	0	0	0	0
Foods, Nutri.	16	0	0	0	0	0	0	0	0	0	0	0

Department	No. of Grad. Students* in Dept.	No. of MA in Dept.	MA as % of Total Dept. Enrollment.	No. of Master Candidates in Dept.	MA Master Candidates as % of Total Master Candidates in Dept.	No. of MA Doc- total Cand- dates in Dept.	MA Doc- total Cand- dates as % of Total Ph.D. Cand- dates in Dept.	No. of IA in Dept.	IA as % of Total Dept. Enrollment.	No. of IA Master Candidates in Dept.	IA Master Candidates as % of Total Master Candidates in Dept.	No. of IA Doc- total Cand- dates in Dept.	IA Doc- total Cand- dates as % of Total Ph.D. Cand- dates in Dept.
Family, Child Science	58	0	0	0	0	0	0	0	0	0	0	0	0
Instit. Ad. Textiles, Clothing	14	0	0	0	0	0	0	0	0	0	0	0	0
Anatomy	44	0	0	0	0	0	0	0	0	0	0	0	0
Anthropology	11	0	0	0	0	0	0	0	0	0	0	0	0
Biophysics	69	0	0	0	0	0	0	0	0	0	0	0	0
Microbiology	19	0	0	0	0	0	0	0	0	0	0	0	0
Public Health	74	0	0	0	0	0	0	0	0	0	0	0	0
Pathology	39	0	0	0	0	0	0	0	0	0	0	0	0
Pharmacology	16	0	0	0	0	0	0	0	0	0	0	0	0
Physiology	D A T A	U N K N O W N											
Psychology	233	1	.43	0	0	0	.88	0	0	0	0	0	0
Sociology	106	0	0	0	0	0	0	0	0	0	0	0	0
Zoology	103	1	.97	0	0	1	1.41	0	0	0	0	0	0
Bot., Plant Pathology	89	1	1.12	0	0	1	1.43	0	0	0	0	0	0
Chemistry	217	1	.46	0	0	1	.48	0	0	0	0	0	0
Entomology	40	0	0	0	0	0	0	0	0	0	0	0	0
Geology	47	0	0	0	0	0	0	0	0	0	0	0	0
Math.	205	0	0	0	0	0	0	0	0	0	0	0	0
Physics	120	0	0	0	0	0	0	0	0	0	0	0	0
Stat. & Prob.	55	0	0	0	0	0	0	0	0	0	0	0	0
Geog.	87	0	0	0	0	0	0	0	0	0	0	0	0
Poly. Sci.	83	0	0	0	0	0	0	0	0	0	0	0	0
	7019**	44	.63	18	.48	26	.83	1	.014	1	.026	0	0

*For certain departments, non-degree students are included with the total number of graduate students.

**Does not include non-minority group students in certain departments.

Table 2
The number of minority group graduate students as
compared to the total number of graduate students by colleges

College	No. of Grad. Students in each College	No. of Masters Candi- dates in each College	Masters Candi- dates as % of Total Enroll- ment.	No. of Doctor- al Candi- dates in each College	Doctoral Candi- dates as % of Tot- al Grad. Enroll- ment	No. of BA in each College	BA as % of Total Grad. Enroll- ment	No. of BA Master Candi- dates in each College	BA Mas- ter Can- didates as % of Total Masters Candi- dates	No. of BA Doctor- al Candi- dates	BA Doctoral Candidates as % of Total no. of P.D. Candidates
Ag. and Nat. Resources	695	296	42.59	393**	56.54	6	.860	2	0.676	4	1.02
Arts & Letters	904	418**	46.23	391	43.25	19	2.10	8	1.91	11	2.81
Business	1234	737	61.35	477	38.65	17	1.38	17	2.24	0	0
Communication Arts	201	123	61.19	78	38.80	8	3.98	8	6.50	0	0
Education	2259	1545	68.39	714	31.60	123	5.44	86	5.56	37	5.18
Engineering	288	288	50.69	138	47.92	3	1.04	1	0.68	2	1.45
Home Ec.	132	132	80.30	26	19.70	5	3.79	3	2.83	2	7.69
Human Medicine	670	670	47.46	342	51.04	31	4.62	17	5.35	14	4.09
Nat. Science	773	212	27.43	551	71.28	17	2.2	5	2.36	7	1.27
Social Sci.	170	81	47.65	89	52.35	5	2.94	2	2.47	3	3.37

* For certain colleges, non-degree students are included with the total no. of graduate students.

** Does not include non-minority group students in Music dept.

Table 2.a

College	No. of Grad. Students in each College*	No. of MA in. each College	MA as % of each College	No. of MA Master Candidates in each College	MA Master Candidates as % of Total Grad. Enrollment	No. of MA Doctoral Candidates in each College	MA Doctoral Candidates as % of Total Grad. Enrollment	No. of IA in each College	IA as % of each College	No. of Master Candidates in each College	IA Master Candidates as % of Total Grad. Enrollment	No. of IA Doctoral Candidates in each College	Doctoral Candidates as % of Total Grad. Enrollment
Ag. and Nat. Resources	695	6	.86	2	.68	4	1.02	0	0	0	0	0	0
Arts & Letters	904	18	2.0	5	1.2	13	3.32	0	0	0	0	0	0
Business	1234	0	0	0	0	0	0	0	0	0	0	0	0
Communication													
Arts	201	1	.5	1	.81	0	0	0	0	0	0	0	0
Education	259	14	.61	10	.65	4	.56	1	.04	1	.06	0	0
Engineering	288	1	.35	0	0	1	.72	0	0	0	0	0	0
Home Ec.	132	0	0	0	0	0	0	0	0	0	0	0	0
Human Medicine	670	2	.3	0	0	2	.58	0	0	0	0	0	0
Nat. Science	773	2	.26	0	0	2	.36	0	0	0	0	0	0
Social Sci.	170	0	0	0	0	0	0	0	0	0	0	0	0

* For certain colleges, non-degree students are included with the total no. of graduate students.

Table 3
PERCENT MASTER'S AND DOCTORAL CANDIDATES
OF EACH MINORITY GROUP AS COMPARED TO TOTAL

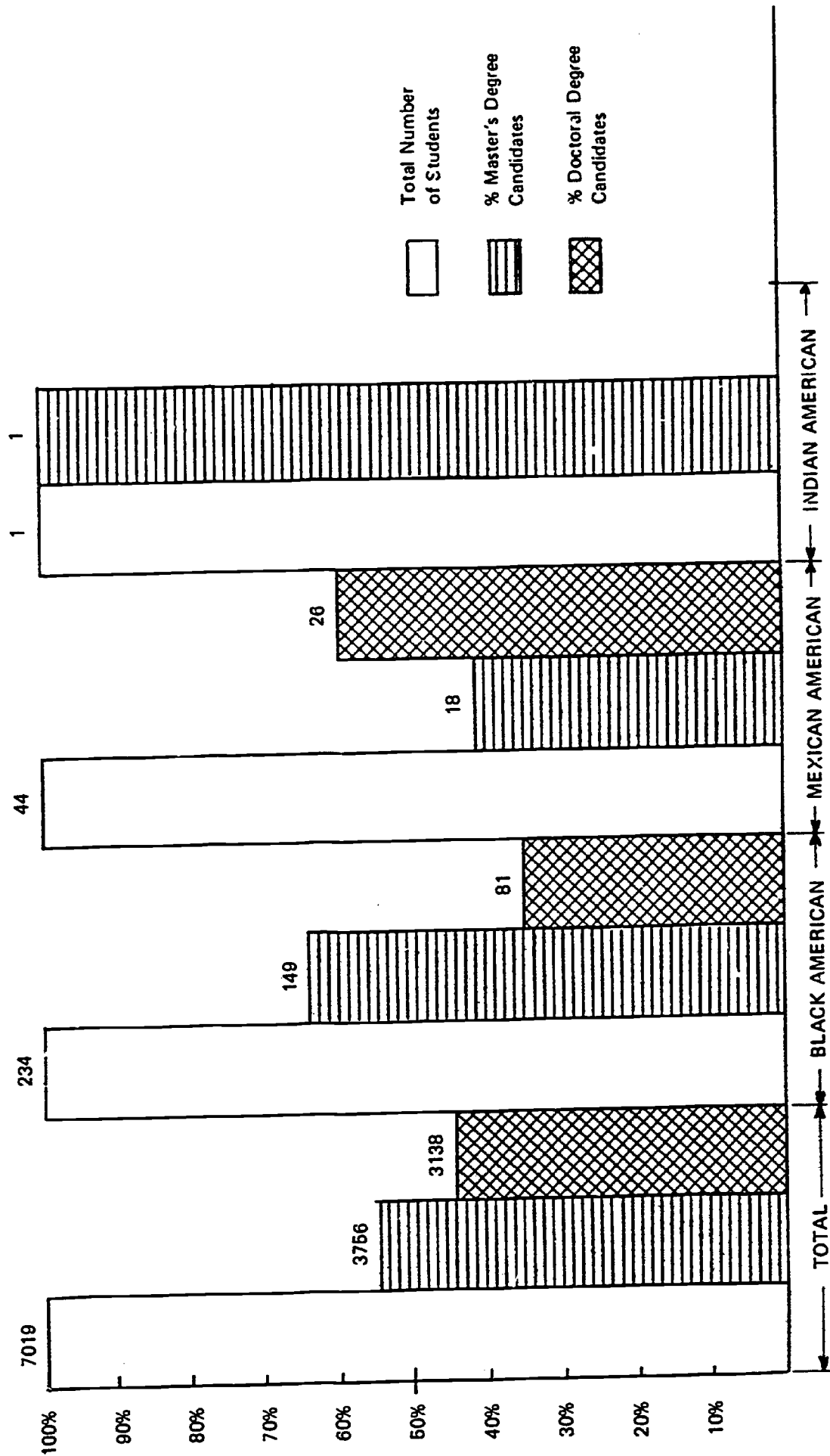


TABLE 4
MINORITY GROUP STUDENTS
EXPECTED TO RECEIVE DEGREES
IN 1970

	Black American	Mexican American	Indian American
Number of Students	234*	44	1
Number of Master's degree Candidates	149	18	1
Number and % of Master's students Expected to receive degrees in 1970	56 (37.5)	10 (55.55)	0 (0%)
Number of Doctoral Candidates	81	26	0
Number and % of Doctoral students Expected to receive degrees in 1970	21 (25.92)	5 (19.23)	0 (0%)

*The degree status of four of these students is unknown.

TABLE 5

AREAS OF THE COUNTRY FROM WHICH
MINORITY GROUP GRADUATE
STUDENTS RECEIVED LATEST DEGREE

Number of Students	Black American		Mexican American		Indian American	
	No.	%	No.	%	No.	%
	234	100%	44	100%	1	100%
Eastern Colleges & Universities	18	7.7%	2	4.5%	0	0%
Southern Colleges & Universities	77	32.9%	0	0%	0	0%
Big Ten Universities	56	23.9%	10	22.7%	0	0%
Other Mid-West Colleges & Universities	48	20.5%	1	2.3%	0	0%
Western Colleges & Universities	6	2.6%	5	11.4%	0	0%
Other or Unaccounted for	29	12.4%	26	59.0%	1	100%

TABLE 6

WAYS IN WHICH MINORITY GROUP
STUDENTS CAME TO THE DEPARTMENT

	Black American		Mexican American		Indian American	
	No.	%	No.	%	No.	%
Number of Students	234	100%	44	100%	1	100%
Applied by and for Themselves	116	49.6%	18	40.9%	1	100%
Recruited by normal recruitment procedures	47	20.1%	10	22.7%	0	0%
Recruited because of minority group status	49	20.9%	6	13.6%	0	0%
Number of students unaccounted for	22	9.4%	10	22.8%	0	0%

TABLE 7
FINANCIAL AID TO MINORITY
GROUP GRADUATE STUDENTS

	Black American	Mexican American	Indian American
Number of Students	234	44	1
Tuition Fellowship Only	6	2	0
Graduate Assistant- ships Only	35	11	0
Tuition Fellowship with Stipend	79	6	0
Tuition Fellowship with Stipend and Graduate Assistantship	10	0	0
Total Recieving Financial Aid	130	19	0
% Receiving Financial Aid	55.5%	43.2%	0%

Table 8
PERCENT GRADUATE STUDENTS WORKING WITH FACULTY

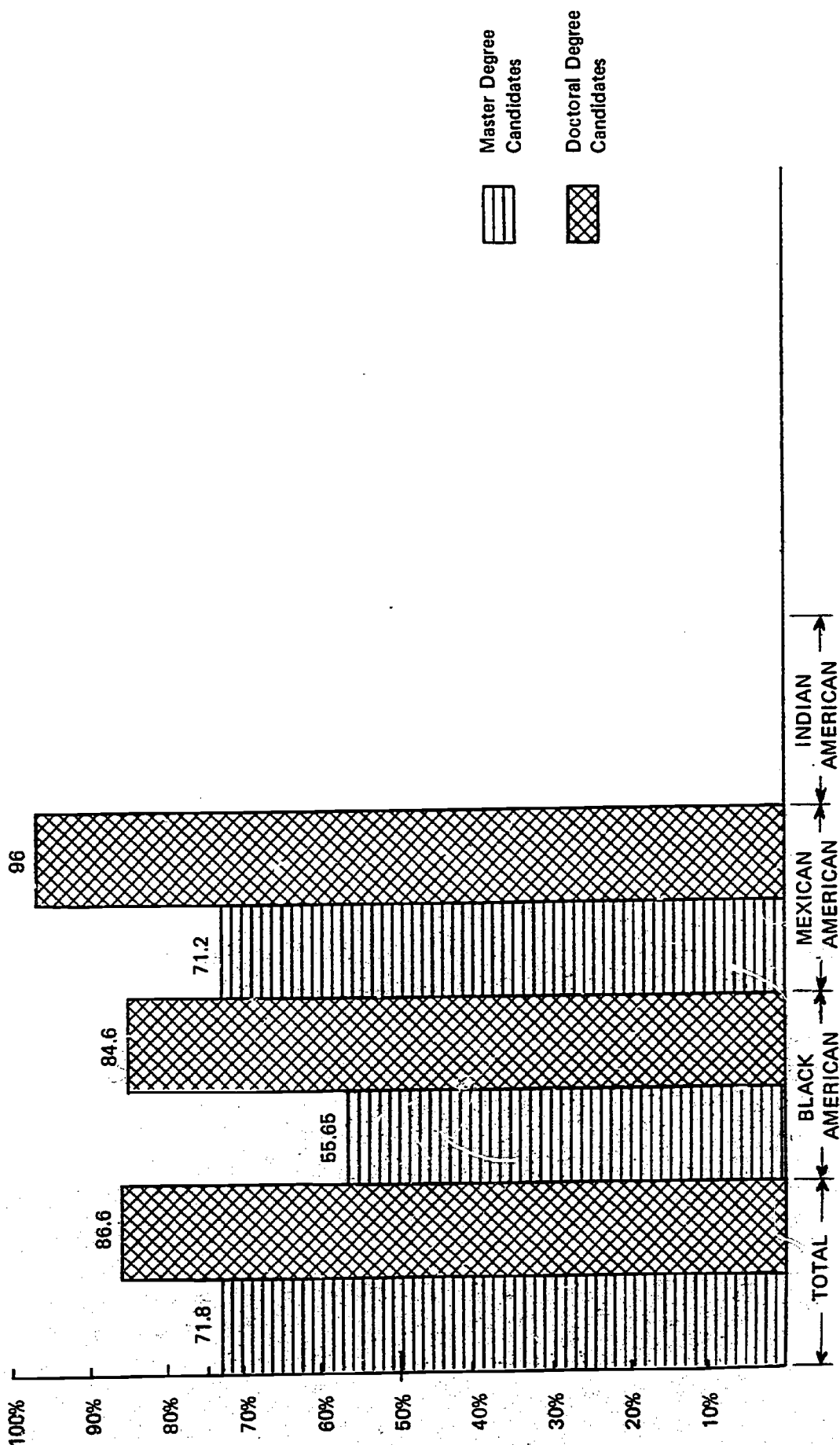


TABLE 9

SPECIAL RECRUITMENT FOR MINORITY
GROUP GRADUATE STUDENTS

	For Black Americans		For Mexican Americans		For Indian Americans	
	No.	%	No.	%	No.	%
No. of Depts. Responding	55	100%	43	100%	42	100%
Depts. with Special Recruit- ment Effort	34	61.8%	7	16.3%	6	14.3%
Depts. without Special Recruit- ment Effort	21	38.1%	36	83.7%	36	85.7%

TABLE 10

RECRUITMENT PROCEDURES FOR
THE GRADUATE DEPARTMENTS

	Black American		Mexican American		Indian American	
	Yes	No	Yes	No	Yes	No
35	35	4	17	14	17	14

Recruit students with strong academic credentials who either have the money or are practically guaranteed a fellowship.

Recruit students with acceptable traditional academic credentials but not possessing the money themselves for graduate study.

36	4	16	12	16	12
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Recruit students who do not possess the traditionally acceptable academic credentials nor the money for graduate school.

16	18	4	21	4	21
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TABLE 11

Dept.	Total No. of Faculty Members in Dept.	Total No. of Black Faculty Members in Dept.	% Black Faculty Members in Dept.	Total No. IA Faculty Members in Dept.	% IA Faculty Members in Dept.	Total No. MA Faculty Members in Dept.	% MA Faculty Members in Dept.
Ag. Econ.	Data Unknown	0	0	0	0	0	0
Ag. Engin.	15	1	6.67	0	0	0	0
Animal Husbandry	10	0	0	0	0	0	0
Biochemistry	27	0	0	0	0	0	0
Dairy	17	0	0	0	0	0	0
Crop, Soil Sci.		Data not given					
Food Science	21	0	0	0	0	0	0
Horticulture	33	0	0	0	0	0	0
Fisheries & Wildlife	12	0	0	0	0	0	0
Forestry	12	0	0	0	0	0	0
Resource Development	14	0	0	0	0	0	0
Park and Rec. Resources	3	0	0	0	0	0	0
Poultry Science	10	0	0	0	0	0	0
Art	14	1	7.14	0	0	0	0
English	50	0	0	0	0	0	0
German, Russian	15	0	0	0	0	0	0
History	35	1	2.86	0	0	0	0

Dept.	Total No. of Faculty Members in Dept.	Total No. of Black Faculty Members in Dept.	% Black Faculty Members in Dept.	Total No. IA Faculty Members in Dept.	% IA Faculty Members in Dept.	Total No. MA Faculty Members in Dept.	% MA Faculty Members in Dept.
Linguistics, Oriental, African Languages	10	1	10	0	0	0	0
Music	41	0	0	0	0	0	0
Philosophy	27	0	0	0	0	0	0
Romance Languages	46	0	0	0	0	3	6.52
Acc., Fin. Admin.	24	0	0	0	0	0	0
Economics	29	0	0	0	0	0	0
Management	15	0	0	0	0	0	0
Bus. Ad.	110	0	0	0	0	0	0
Advertising	8	0	0	0	0	0	0
Audiology, Speech Science	Data unknown	0	0	0	0	0	0
Communication	23	0	0	0	0	0	0
Journalism	did not respond						
Theatre	Data not given						
TV, Radio	7	0	0	0	0	0	0

Dept.	Total No. of Faculty Members in Dept.	Total No. of Black Faculty Members in Dept.	% Black Faculty Members in Dept.	Total No. IA Faculty Members in Dept.	% IA Faculty Members in Dept.	Total No. MA Faculty Members in Dept.	% Faculty Members in Dept.
Ad., Higher Ed.	Data unknown			0	0	0	0
Coun., Per. Service Ed. Psy.	34	2	5.88	0	0	0	0
Elem., Special Education	Did not respond						
Health, Phy. Ed., Recreation	67	5	7.46	0	0	0	0
Sec. Ed., Curr.	35	0	0	0	0	0	0
Chym. Eng.	7	0	0	0	0	0	0
Civil, San. Eng.	11	0	0	0	0	0	0
Computer Science	10	0	0	0	0	0	0
Elec. Eng.	20	0	0	0	0	0	0
Mech. Eng.	17	0	0	0	0	0	0
Metallurgy, Mechanics, Material	18	0	0	0	0	0	0
Foods, Nutrition	9	0	0	0	0	0	0
Family, Child Sci.	14	0	0	0	0	0	0
Instit. Ad.	5	0	0	0	0	0	0
Textiles, Clothing	7	1	14.29	0	0	0	0
Anatomy	30	0	0	0	0	0	0

Dept.	Total No. of Faculty Members in Dept.	Total No. of Black Faculty Members in Dept.	% Black Faculty Members in Dept.	Total No. IA Faculty Members in Dept.	% IA Faculty Members in Dept.	Total No. MA Faculty Members in Dept.	% MA Faculty Members in Dept.
Anthropology	21	0	0	0	0	0	0
Biophysics	6	0	0	0	0	0	0
Microbiology, Public Health	29	0	0	0	0	0	0
Pathology	14	0	0	0	0	0	0
Pharmacology	10	0	0	0	0	0	0
Physiology	Data not given						
Psychology	65	1	1.54	0	0	0	0
Sociology	33	1	3.03	0	0	0	0
Zoology	27	0	0	0	0	0	0
Botany, Plant Pathology	44	1	2.27	0	0	0	0
Chemistry	38	1	2.63	0	0	0	0
Entomology	22	0	0	0	0	0	0
Geology	14	0	0	0	0	0	0
Mathematics	78	1	1.28	0	0	0	0

Dept.	Total No. of Faculty Members in Dept.	Total No. of Black Faculty Members in Dept.	% Black Facul- ty Members in Dept.	Total No. IA Faculty Members in Dept.	% IA Faculty Members in Dept.	Total No. MA Faculty Members in Dept.	% SA Faculty Members in Dept.
Physics	43	0	0	0	0	0	0
Chem. & Prob.	15	0	0	0	0	0	0
Geography	19	0	0	0	0	0	0
Mathematical Science	28	0	0	0	0	0	0
	1418	17	1.2	0	0	3	.21

TABLE 12

College	Total No.* of Faculty Members in each College	Total No. of Black Faculty Members in each College	% Black Faculty Members in each College	Total No. IA Faculty Members in each College	% IA Faculty Members in each College	Total No. MA Faculty Members in each College	% MA Faculty Members in each College
Ag. & Nat. Resources	171	1	.58	0	0	0	0
Arts & Letters	238	3	1.2	0	0	0	0
Business	178	0	0	0	0	0	0
Communication Arts	38	0	0	0	0	0	0
Education	136	7	5.1	0	0	0	0
Engineering	33	0	0	0	0	0	0
Home Econ.	35	1	2.86	0	0	0	0
Human Medicine	235	2	.85	0	0	0	0
Natural Sci.	254	3	1.18	0	0	0	0
Social Sci.	47	0	0	0	0	0	0
*Not all departments in all Colleges responded.							